# Table 2-2. LaMP Environmental Goals, Management Approaches, and Assessment Needs.

| Chemical | Management Approach | Environmental Goal | Assessment Needs |
|---|---|---|---|
| **Organic Chemicals: By-Products** | | | |
| Dioxin (TEQ) | Lakewide reductions | Meet criteria | monitor release, deposition, open lake water, sediment, and fish and wildlife |
| 2,3,7,8-TCDD[a] | Virtual elimination of releases enroute to zero discharge | Virtual elimination from the Lake Superior ecosystem | monitor release, deposition, open lake water, sediment, fish and wildlife |
| Hexachlorobenzene[a,b] | " | " | monitor use and release, deposition, open lake water, sediment, fish and wildlife |
| OCS[a] | " | " | monitor release, deposition, open lake water, sediment, fish and wildlife |
| PAHs[c] | Lakewide reductions | Restore use | monitor deposition, open lake water, sediment, and wildlife |
| Pentachlorobenzene | Prevent increased (net) release | Maintain current "non-critical" status | monitor air, water, sediment and wildlife |
| 1,2,3,4-Tetrachlorobenzene | " | " | monitor air, water, sediment and wildlife |
| **Organic Chemicals: Deliberate Use** | | | |
| PCBs[a] | Virtual elimination of releases enroute to zero discharge | Virtual elimination from the Lake Superior ecosystem | monitor use and release, deposition, open lake water, sediment, fish and wildlife |
| Pentachlorophenol | Prevent increased (net) release | Maintain current "non-critical" status | monitor air, water, sediment and wildlife |
| 1,2,4.5-Tetrachlorobenzene | " | " | investigate appropriate media and basin sources |
| 1,4-Dichlorobenzene | " | " | monitor air, water, sediment and wildlife |
| 2-Chloroaniline (4,4'-Methylenebis) | " | " | investigate appropriate media and basin sources |
| 3,3'-Dichlorobenzidine | " | " | investigate appropriate media and basin sources |
| **Organic Chemicals: Use Canceled** | | | |
| Chlordane[a] | Virtual elimination of releases en route to zero discharge | Virtual elimination from the Lake Superior ecosystem | monitor disposal, deposition, open lake water, sediment, fish and wildlife |
| DDT[a] | " | " | monitor disposal, deposition, open lake water, sediment, fish and wildlife |
| Dieldrin (and aldrin)[a] | " | " | monitor disposal, deposition, open lake water, sediment, fish and wildlife |

# Table 2-2. LaMP Environmental Goals, Management Approaches, and Assessment Needs.

| Chemical | Management Approach | Environmental Goal | Assessment Needs |
|---|---|---|---|
| Toxaphene[a] | " | " | monitor disposal, deposition, open lake water, sediment, fish and wildlife |
| Heptachlor/heptachlor epoxide | Lakewide reductions | Meet water criteria | monitor deposition, open lake water, sediment, and wildlife |
| Hexachlorobutadiene | Prevent increased (net) release | Maintain current"non-critical" status | investigate appropriate media and basin sources |
| Hexachlorocyclohexane (BHC) | " | " | monitor deposition, open lake water, sediment, and wildlife |
| Mirex | Prevent increased (net) release | Maintain current "non-critical" status | monitor air, water, sediment and wildlife |
| **Metals** | | | |
| Mercury[a] | Virtual elimination of anthropogenic releases en route to zero discharge | Virtual elimination from the Lake Superior ecosystem | monitor use and release, deposition, open lake water, sediment, fish and wildlife |
| Cadmium | Lakewide reductions | Restore impaired use | monitor deposition, open lake water, sediment, and wildlife |
| Aluminum | Local reductions | Meet criteria | monitor near-shore sediment |
| Arsenic | " | " | monitor near-shore sediment |
| Chromium | " | Restore impaired use | monitor near-shore sediment |
| Copper | " | " | monitor near-shore sediment |
| Iron | " | Meet criteria | monitor near-shore sediment |
| Lead | " | Restore impaired use | monitor near-shore sediment |
| Manganese | " | Meet criteria | monitor near-shore sediment |
| Nickel | " | Restore impaired use | monitor sediment |
| Tributyl tin | Prevent increased (net) release | Maintain current "non-critical" status | investigate appropriate media and basin sources |
| Zinc | Local reductions | Restore use | monitor sediment |

Note: *italics* indicate an emphasis is needed in this medium.

[a] Chemicals targeted in Zero Discharge Demonstration Program as outlined in the Binational Program.
[b] Hexachlorobenzene was also used for a variety of products, but most of these uses have been discontinued.
[c] Most PAHs (including those listed in Table 2-1) are by-products, but a few (e.g., naphthalene) have limited uses.